Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	68	(cluster$5) with (mirror$5 near9 storage$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L7	2739	(709/206).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28
L8	1012	(711/141).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L9	1467	(714/6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L10	0	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L11	3	6 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L12	2	6 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28
L13	405	(709/216).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28

| L14 | 2 | 6 and 13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/08 15:28 |

PORTAL

USPTO

Search: ⦿ The ACM Digital Library   ○ The Guide

+"clustering" +"mirroring storage"

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **clustering mirroring storage**   Found **3** of **156,259**

Sort results by [relevance ▼]   ● Save results to a Binder   Try an Advanced Search
                                         ? Search Tips   Try this search in The ACM Guide
Display results [expanded form ▼]   □ Open results in a new
                                         window

Results 1 - 3 of 3

Relevance scale □ ▭ ▬ ▰ ■

1 The HP AutoRAID hierarchical storage system
John Wilkes, Richard Golding, Carl Staelin, Tim Sullivan
February 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 1

Full text available: 🔲 pdf(1.82 MB)   Additional Information: full citation, abstract, references, citings, index terms

Configuring redundant disk arrays is a black art. To configure an array properly, a system
administrator must understand the details of both the array and the workload it will support.
Incorrect understanding of either, or changes in the workload over time, can lead to poor
performance. We present a solution to this problem: a two-level storage hierarchy
implemented inside a single disk-array controller. In the upper level of this hierarchy, two
copies of active data are stored to provide f ...

Keywords: RAID, disk array, storage hierarchy

2 The HP AutoRAID hierarchical storage system
J. Wilkes, R. Golding, C. Staelin, T. Sullivan
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth
                ACM symposium on Operating systems principles**, Volume 29 Issue 5
Full text available: 🔲 pdf(1.60 MB)   Additional Information: full citation, references, citings, index terms

3 Improving the performance of log-structured file systems with adaptive methods
Jeanna Neefe Matthews, Drew Roselli, Adam M. Costello, Randolph Y. Wang, Thomas E.
Anderson
October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth
                ACM symposium on Operating systems principles**, Volume 31 Issue 5
Full text available: 🔲 pdf(2.18 MB)   Additional Information: full citation, references, citings, index terms

Results 1 - 3 of 3

Welcome United States Patent and Trademark Office

Search Results

BROWSE   SEARCH   IEEE XPLORE GUIDE   SUPPORT

Results for "(cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<..."
Your search matched **9** of **1168854** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

e-mail   printer frien.

» <u>View Session History</u>

» <u>New Search</u>

» **Key**

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Modify Search

(cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<in>metadat ≫

☐ Check to search only within this results set

Display Format: ⦿ Citation ◯ Citation & Abstract

Select   Article Information

☐ 1. **Analytic modeling and comparisons of striping strategies for replicated disk arrays**
Merchant, A.; Yu, P.S.;
Computers, IEEE Transactions on
Volume 44, Issue 3, March 1995 Page(s):419 - 433
<u>AbstractPlus</u> | <u>References</u> | Full Text: <u>PDF</u>(1320 KB)   IEEE JNL

☐ 2. **The distributed data center: front-end solutions**
Testa, S.; Chou, W.;
IT Professional
Volume 6, Issue 3, May-June 2004 Page(s):26 - 32
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(584 KB)   IEEE JNL

☐ 3. **Design of a dual-computer cluster system and availability evaluation**
Guo Hui; Zhou Jingli; Li Yue; Yu Shengsheng;
Networking, Sensing and Control, 2004 IEEE International Conference on
Volume 1, 21-23 March 2004 Page(s):355 - 360 Vol.1
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(1525 KB)   IEEE CNF

☐ 4. **Logical vs. physical disk shadowing**
Graefe, G.; Shapiro, L.D.;
Applied Computing, 1991., [Proceedings of the 1991] Symposium on
3-5 April 1991 Page(s):91
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(96 KB)   IEEE CNF

☐ 5. **High availability in clustered multimedia servers**
Tewari, R.; Dias, D.M.; Mukherjee, R.; Vin, H.M.;
Data Engineering, 1996. Proceedings of the Twelfth International Conference on
26 Feb.-1 March 1996 Page(s):645 - 654
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(964 KB)   IEEE CNF

☐ 6. **Disaster tolerant Wolfpack geo-clusters**
Wilkins, R.S.; Xing Du; Cochran, R.A.; Popp, M.;
Cluster Computing, 2002. Proceedings. 2002 IEEE International Conference on
23-26 Sept. 2002 Page(s):222 - 227
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(311 KB)   IEEE CNF

☐ 7. **CoStore: a reliable and highly available storage system using clusters**
Yong Chen; Ni, L.M.; Chengzhong Xu; Mingyao Yang; Kusler, J.F.; Pei Zheng;
High Performance Computing Systems and Applications, 2002. Proceedings. 16th Annual Internation;
Symposium on
16-19 June 2002 Page(s):3 - 11

AbstractPlus | Full Text: PDF(345 KB)   IEEE CNF

☐ 8. **Improved read performance in a cost-effective, fault-tolerant parallel virtual file system (CEFT-PVFS)**
Yifeng Zhu; Hong Jiang; Xiao Qin; Feng, D.; Swanson, D.R.;
Cluster Computing and the Grid, 2003. Proceedings. CCGrid 2003. 3rd IEEE/ACM International Symposium on
12-15 May 2003 Page(s):730 - 735

AbstractPlus | Full Text: PDF(331 KB)   IEEE CNF

☐ 9. **Shared memory mirroring for reducing communication overhead on commodity networks**
Palmer, B.; Nieplocha, J.; Apra, E.;
Cluster Computing, 2003. Proceedings. 2003 IEEE International Conference on
1-4 Dec. 2003 Page(s):420 - 428

AbstractPlus | Full Text: PDF(287 KB)   IEEE CNF

IEEE Xplore®
RELEASE 2.0

Welcome United States Patent and Trademark Office

Search Results

BROWSE   SEARCH   IEEE XPLORE GUIDE   SUPPORT

Results for "((cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<..."
Your search matched **3** of **1168854** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

✉ e-mail   🖨 printer item

» <u>View Session History</u>

» <u>New Search</u>

» **Key**

Modify Search

((cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<in>metad »

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

☐ Check to search only within this results set

Display Format: ◉ Citation   ○ Citation & Abstract

Select   Article Information

☐   1. **Analytic modeling and comparisons of striping strategies for replicated disk arrays**
Merchant, A.; Yu, P.S.;
Computers, IEEE Transactions on
Volume 44, Issue 3, March 1995 Page(s):419 - 433
<u>AbstractPlus</u> | <u>References</u> | Full Text: <u>PDF</u>(1320 KB)   IEEE JNL

☐   2. **Logical vs. physical disk shadowing**
Graefe, G.; Shapiro, L.D.;
Applied Computing, 1991., [Proceedings of the 1991] Symposium on
3-5 April 1991 Page(s):91
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(96 KB)   IEEE CNF

☐   3. **High availability in clustered multimedia servers**
Tewari, R.; Dias, D.M.; Mukherjee, R.; Vin, H.M.;
Data Engineering, 1996. Proceedings of the Twelfth International Conference on
26 Feb.-1 March 1996 Page(s):645 - 654
<u>AbstractPlus</u> | Full Text: <u>PDF</u>(964 KB)   IEEE CNF

Help   Contact Us   Privacy & Security   IEEE.

© Copyright 2005 IEEE — All Rights Reser

"clustering system" "mirror "storage   Search   Advanced Search
                                                        Preferences

Web   Results **1 - 10** of about **95** for **"clustering system" "mirror "storage**. (0.08 seconds)

Sun pushes to innovate and disrupt IBM - TechUpdate - ZDNet
... $1.50 for enhanced management or by $2 for **mirror**-image **storage** capabilities.
... Either partners or Sun can host the **storage** utility, or customers can ...
techupdate.zdnet.com/techupdate/stories/
main/Sun_pushes_to_innovate_and_disrupt_IBM.html - 40k - Cached - Similar pages

Sun pushes to innovate and disrupt IBM By Dan Farber, Tech Update ...
A new **storage** solution foray into subscription pricing offers customers a ...
$1.50 for enhanced management or by $2 for **mirror**-image **storage** capabilities.
...
techupdate.zdnet.com/techupdate/stories/
main/Sun_pushes_to_innovate_and_disrupt_IBM_print.html - 10k -
Cached - Similar pages

Untitled Document
Both servers connect to a shared ProLiant **storage** system via Smart-2 Array
Controllers; ... Vinca Corp. upgraded its server-**clustering system** to include ...
www.highavailabilitycenter.com/v_product_info.html - 54k - Cached - Similar pages

news- Friday February 25, 2000 in the SPARC Product Directory
Model 1003 includes a Linux device driver, **Mirror** API library, ... One **clustering
system** (the target) monitors the hardware and application, ...
www.sparcproductdirectory.com/2000-02-25.html - 22k - Cached - Similar pages

Linux clustering cornucopia
That secondary node is usually a **mirror** image of the primary node, ... Although the
clustering system itself is independent of what software or hardware is ...
www-128.ibm.com/developerworks/ linux/library/l-lw-clustering.html - 49k - Cached - Similar pages

InfiniBand Pole Positions For Enterprise
The principles of InfiniBand **mirror** those of mainframe computer systems that are
... TCAs enable remote **storage** and network connectivity into the InfiniBand ...
www.internetnews.com/ent-news/article.php/1587961 - 75k - Cached - Similar pages

InternetAcceleration - News
11/26/02 - **Mirror** Image Teams with Wide Computing to Leverage Innovative ...
11/5/02 - Brocade to Acquire Rhapsody Networks **Storage** Networing Leader to ...
www.internetacceleration.com/ news_archive/news-nov02.htm - 132k - Cached - Similar pages

November 3, 1998 - Vinca Corporation and Giganet, Inc. Announce ...
... is now the IP **Storage** Networking Group of ... for Windows NT is a server-**clustering system**
that assures ... Vinca's Co-StandbyServer products to **mirror** between servers ...
www.giganet.com/press/1998/g1103-01.html - 8k - Supplemental Result - Cached - Similar pages

Performance Disaster - White Papers, Webcasts, Case Studies and ...
... had been utilizing a major iSeries high availability solution to **mirror** its front ...
iSCSI: The Future of Network **Storage** by Intel Corporation, (VENDOR WHITE PAPER) ...
disasterrecovery.knowledgestorm.com/ksrecovery/ search/tabkeyword/research/Performance+Disaster/1/index.jsp - 101k -
Supplemental Result - Cached - Similar pages

[PDF] HITE APER
File Format: PDF/Adobe Acrobat - View as HTML

"clustering system" "mirror "cache   Search   Advanced Search
                                                    Preferences

Web

Results **1 - 10** of about **63** for **"clustering system" "mirror "cache**. (0.27 seconds)

Untitled Document
The machines have Level 3 **cache** that stores memory requests and minimizes ...
Vinca Corp. upgraded its server-**clustering system** to include applications for ...
www.highavailabilitycenter.com/v_product_info.html - 54k - Cached - Similar pages

IRC log of musicbrainz on 2004-06-23
21:01:29 [tma]: could the **mirror** server be coded to check for updates more ...
we can grow MB though mirrors that would not require a PG **clustering system**. ...
chatlogs.musicbrainz.org/2004/2004-06/2004-06-23.html - 28k - Cached - Similar pages

00:15:52 <Knio2> Knio2 has joined #musicbrainz 00:15:56 <Knio ...
21:01:29 <tma> could the **mirror** server be coded to check for updates more ...
we can grow MB though mirrors that would not require a PG **clustering system**. ...
chatlogs.musicbrainz.org/2004/2004-06/2004-06-23.txt - 18k - Cached - Similar pages

openMosix Community Contributions
Dmitry Katsubo - Official openMosix RU **Mirror**. Dmitry Katsubo - Using openMosix
Clustering System for Building a Distributed Computing Environment ...
openmosix.sourceforge.net/community.html - 80k - Cached - Similar pages

Sun pushes to innovate and disrupt IBM - TechUpdate - ZDNet
... for enhanced management or by $2 for **mirror**-image storage capabilities. ...
messsaging and calendaring servers, and Sun's **clustering system**) is hard to ...
techupdate.zdnet.com/techupdate/stories/ main/Sun_pushes_to_innovate_and_disrupt_IBM.html - 40k -
Cached - Similar pages

EP1061711 Idgate european software patent - Computer network and ...
Show Raw Text, Show Print View, Delete **Cache**, ------, Attachments, Check Spelling,
Show Like Pages, Show Local Site Map, ------, Rename Page ...
gauss.ffii.org/PatentView/EP1061711 - 53k - Cached - Similar pages

Quick and Dirty FreeBSD-related WEB Resources
Download FreeBSD from one of these **mirror** sites. www.freebsd.org/ports ...
This is the Beowulf project, the standard Linux **clustering system**. ...
63.249.85.132/fbsd_links.htm - 66k - Cached - Similar pages

[DOC] Executive summary
File Format: Microsoft Word 2000 - View as HTML
In the event of a failure, the **mirror** will automatically activate, allowing the
... A DNS Resolver **Cache** service also has been added to speed DNS queries. ...
www.microsoft.com/windows2000/docs/oscomps4.doc - Similar pages

Quick and Dirty FreeBSD-related WEB Resources
This is the Beowulf project, the standard Linux **clustering system**.
www.beowulf-underground.org ... http://minnie.cs.adfa.oz.au/TUHS/**Mirror**/Hauben/unix.html
...
alumni.cse.ucsc.edu/~brucem/fbsd_links.htm - 67k - Cached - Similar pages

LWN - Software Announcements By License
... A load-balancing and server **clustering system** for Linux. ... A PHP-based **mirror**
system with daily limits on **mirror** bandwidth. ...
lwn.net/2002/0131/bylicense.php3 - 161k - Cached - Similar pages